

Page 1 of 8



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RAW SEQUENCE LISTING

DATE: 01/21/2003 7006,265 TIME: 16:12:38

PATENT APPLICATION: US/10/006,265

Input Set : A:\06501-096001.txt

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              Yaguchi, Noriko
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	-			Asp													
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DATE: 01/21/2003 PATENT APPLICATION: US/10/006,265 TIME: 16:12:38

Input Set : A:\06501-096001.txt

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Input Set : A:\06501-096001.txt

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224 225 227 228 230 231 232 233 234 235 236 237 241 242 243 244 245 246 247	<21: <2400 Met 1 Thr Ala Lys Gln 65 Cys Phe Ala Leu Pro 145	2> TY 3> OI 0> SI Lys Trp Leu Asn 50 Tyr Thr Leu Glu 130 Val	PE: RGAN: EQUEN Leu Ala Pro 35 Leu Thr Thr Pro Asn 115 Asn Leu	PRT ISM: NCE: Ser Leu 20 Ala Thr Val Asn Arg 100 Gly Ile Gly	Homo 2 Pro 5 Trp Lys Cys Lys Ser 85 Ile Asp Ala Ile	Gln Met Pro Thr Arg 70 Ser Thr Gly Lys Lys 150	Pro Leu Glu Trp 55 Thr Thr Ile Val Thr 135 Arg	Ser Pro Asn 40 Ser Tyr Ser Pro Ile 120 Glu Met	Ser 25 Ile Pro Ala Glu Asp 105 Lys Pro Ile	10 Leu Ser Gly Phe Asn 90 Asn Ser Pro Gln	Cys Cys Lys Gly 75 Arg Tyr His Lys Ile	Lys Val Glu 60 Glu Ala Thr Met Ile 140	Phe Tyr 45 Thr Lys Ser Ile Thr 125 Phe	Ser 30 Tyr Ser His Cys Glu 110 Tyr Arg	15 Leu Tyr Tyr Asp Ser 95 Val Trp Val Lys	Ala Arg Thr Asn 80 Phe Glu Arg Lys Pro 160	

RAW SEQUENCE LISTING DATE: 01/21/2003 PATENT APPLICATION: US/10/006,265 TIME: 16:12:38

Input Set : A:\06501-096001.txt

250	249					165					170					175	
180		Thr	Val	Asn	Ser		Ser	Tro	Met	Glu		Asn	Phe	Ala	Lvs		Ara
252 Lys		111					001	1-1	1100						_		9
253 155 200 205 205 205 205 205 205 205 205 210 215 215 210 215 225 225 225 230 230 235 230 235 230 235 236 235 236 236 235 236 236 235 236 236 235 236 236 235 236		Lvs	Asp	Lvs		Gln	Thr	Tvr	Asn		Thr	Glv	Leu	Gln		Phe	Thr
The color of the		בינם	Tiop	_		0.2.1.		-] -		200	****		200				
215 220 215 220 220 240		Glu	Tvr		Tle	Ala	Len	Ara		Ala	Val	Lvs	Glu		Lvs	Phe	Trp
256 Ser Asp Ser Ser Glu Glu Lus Met Gly Met Clu Glu Glu Glu Ala Pro 240		014	_	var	110	1110	200	-	Oyo	1114	, 41	1170		001		1110	115
230		Ser		Tro	Ser	Gln	Glu		Met	Glv	Met	Thr		Glu	Glu	Ala	Pro
258 Cys Gly Leu Glu Leu Trp Arg Val Leu Lys Pro Ala Glu Ala Asp Gly 255 245 256 256 260 Arg Arg Pro Val Arg Leu Leu Trp Lys Lys Lys Ala Arg Gly Ala Pro Val 261 260 260 270 262 260 270 262 263 270 262 265 263 275 263 275 265 264 Thr Asn Leu Leu Gly Tyr Asn Ile Trp Tyr Tyr Pro Glu Ser Asn 265 290 285 285 264 Thr Asn Leu Thr Glu Thr Met Asn Thr Thr Asn Gln Gln Leu Glu Leu 265 290 300			110р	127	501	0211		~		J. J				0_0	0_0		
255 250 255 250 255 250 255 250 255 260 266 266 266 266 276			Glv	Len	Glu	Len		Ara	Va1	Len	Lvs		Ala	Glu	Ala	Asp	
260		0,10			010			5								_	<i>-1</i>
261		Ara	Ara	Pro	Val		Leu	Leu	Trp	Lvs		Ala	Ara	Glv	Ala		Val
262 Leu Glu Lys Thr Leu Gly Thr Asn Thr Leu Ser Asn 285 275 285		9	9			9			1-	_	-1-		5	1			
280		Leu	Glu	Lvs		Leu	Glv	Tvr	Asn		Trp	Tvr	Tvr	Pro		Ser	Asn
264 The 250 See 290 See 295 See 295 See 296 See 296		2.00		_			<u>1</u>	-1-				- 1 -	-1-				
265		Thr	Asn		Thr	Glu	Thr	Met		Thr	Thr	Asn	Gln		Leu	Glu	Leu
See His Leu Gly Gly Gly Gly See Phe Trp Val See Het Gly Gly																	
267 305		His		Glv	Glv	Glu	Ser		Trp	Val	Ser	Met.		Ser	Tvr	Asn	Ser
See See				1	1				F						-1-		
269			Glv	Lvs	Ser	Pro		Ala	Thr	Leu	Ara		Pro	Ala	Ile	Gln	
270 Lys Ser Phe Gln Cys Ile Glu Val Met 345 340 350 350 370			1	_1							_						
271 Gln Leu Val Val Lys Trp Gln Ser Ser Ala Leu Asp Val Asn Thr Trp Pro Asp Ser Asp Ser Glu Pro Asp Ser Glu Pro Thr Leu Ser Glu Ser Glu Asp Leu Leu Leu Leu Hr Thr Cys Tyr Asp Tyr Thr Leu Hr Thr Leu Hr Leu Hr Hr Hr Thr Leu Hr Thr Leu Hr Hr </td <td></td> <td>Lvs</td> <td>Ser</td> <td>Phe</td> <td>Gln</td> <td></td> <td>Ile</td> <td>Glu</td> <td>Val</td> <td>Met</td> <td></td> <td>Ala</td> <td>Cvs</td> <td>Val</td> <td>Ala</td> <td></td> <td>Asp</td>		Lvs	Ser	Phe	Gln		Ile	Glu	Val	Met		Ala	Cvs	Val	Ala		Asp
Serial Control Contr		-1-				-1 -			-				- 4				
273 355 360 <td></td> <td>Gln</td> <td>Leu</td> <td>Val</td> <td></td> <td>Lvs</td> <td>Trp</td> <td>Gln</td> <td>Ser</td> <td>Ser</td> <td>Ala</td> <td>Leu</td> <td>Asp</td> <td>Val</td> <td></td> <td>Thr</td> <td>Trp</td>		Gln	Leu	Val		Lvs	Trp	Gln	Ser	Ser	Ala	Leu	Asp	Val		Thr	Trp
274 Met Ile Glu Trp Phe Pro Asp Val Asp Ser Glu Pro Thr Leu Ser Val Ser Jan Asp Leu Ser Jan Asp Asp Jan Asp Asp <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td>-</td>						_	•						•				-
275 370	274	Met	Ile	Glu	Trp	Phe	Pro	Asp		Asp	Ser	Glu	Pro	Thr	Thr	Leu	Ser
277 385 390 395 400 278 Leu Lys Pro Pro Phe Pro Phe Apro Cys Tyr Asn Ile Ser Val Tyr Pro Met Leu His Apro Cys 405 410 410 410 415 415 280 Asp Lys Val Gly Gly Glu Pro Gly Tyr Ser Ile Gln Ala Tyr Ala Lys 410 410 415 415 415 281					-			-		•							
277 385 390 395 400 278 Leu Lys Pro Pro Phe Pro Phe Apro Cys Tyr Asn Ile Ser Val Tyr Pro Met Leu His Apro Cys 405 410 410 410 415 415 280 Asp Lys Val Gly Gly Glu Pro Gly Tyr Ser Ile Gln Ala Tyr Ala Lys 410 410 415 415 415 281	276	Trp	Glu	Ser	Val	Ser	Gln	Ala	Thr	Asn	Trp	Thr	Ile	Gln	Gln	Asp	Lys
279		_									-					-	_
280 Asp Lys Clu Glu Pro Tyr Ser Ile Glu Ala Tyr Ala Lys Glu Gly Ala Ala Lys Glu Gly Ala Ala Lys Glu Ala Lys Ala Ala Lys Ala Ala Lys Ala Ala Lys Ala A	278	Leu	Lys	Pro	Phe	Trp	Cys	Tyr	Asn	Ile	Ser	Val	Tyr	Pro	Met	Leu	His
281 420 425 430 430 420 420 425 435 430 420 420 440 440 435 445 440 440 445 446 446 446 460 4	279					405					410					415	
282 Val Pro Glu Glu Thr Lys Val Glu Asn Ile Gly Val Lys Glu Asn Ile Ile Ile Thr Trp Lys Glu Ile Pro Lys Ser Glu Arg Lys Gly Agg Ile Pro Lys Ser Glu Arg Lys Gly Agg Ile Pro Lys Ser Glu Arg Lys Gly Agg Ile Pro Lys Agg Ile I	280	Asp	Lys	Val	Gly	Glu	Pro	Tyr	Ser	Ile	Gln	Ala	Tyr	Ala	Lys	Glu	Gly
283 435 440 445 445 445 447 448 449 449 449 449 449 449 449 449 448 449 449 448 449 449 449 449 449 449 448 449 448 449 4	281				420					425					430		
284 Thr Val Thr Ile Thr Trp Lys Glu Ile Pro Lys Ser Glu Arg Lys Gly 450	282	Val	Pro	Ser	Glu	Gly	Pro	Glu	Thr	Lys	Val	Glu	Asn	Ile	Gly	Val	Lys
285	283			435					440					445			
286	284	Thr	Val	Thr	Ile	Thr	Trp	Lys	Glu	Ile	Pro	Lys	Ser	Glu	Arg	Lys	Gly
287 465	285		450					455					460				
288 Phe Ser Lys Thr Val Asn Ser Ser Ile Leu Gln Tyr Gly Leu Glu Ser 499	286	Ile	Ile	Cys	Asn	Tyr	Thr	Ile	Phe	Tyr	Gln	Ala	Glu	Gly	Gly	Lys	Gly
289 Leu Lys Arg Lys Thr Ser Tyr Ile Val Gln Val Met Ala Asn Thr Ser 291																	
290 Leu Lys Arg Lys Thr Ser Tyr Ile Val Gln Val Met Ala Asn Thr Ser 291	288	Phe	Ser	Lys	Thr	Val	Asn	Ser	Ser	Ile	Leu	Gln	Tyr	Gly	Leu	Glu	Ser
291	289					485					490					495	
292 Ala Gly Gly Thr Asn Gly Thr Ser Ile Asn Phe Lys Thr Leu Ser Phe 293	290	Leu	Lys	Arg	Lys	Thr	Ser	Tyr	Ile	Val	Gln	Val	Met	Ala		Thr	Ser
293 515 520 525 294 Ser Val Phe Glu Ile Ile Leu Ile Thr Ser Leu Ile Gly Gly Gly Leu 295 530 535 540 296 Leu Ile Leu Ile Leu Thr Val Ala Tyr Gly Leu Lys Lys Pro Asn																	
294 Ser Val Phe Glu Ile Ile Leu Ile Thr Ser Leu Ile Gly Gly Leu 295 530 535 540 540 Leu Ile Leu Ile Leu Thr Val Ala Tyr Gly Leu Lys Lys Pro Asn	292	Ala	Gly	Gly	Thr	Asn	Gly	Thr		Ile	Asn	Phe	Lys	Thr	Leu	Ser	Phe
295 530 535 540 296 Leu Ile Leu Ile Leu Thr Val Ala Tyr Gly Leu Lys Lys Pro Asn																	
296 Leu Ile Leu Ile Leu Thr Val Ala Tyr Gly Leu Lys Lys Pro Asn		Ser		Phe	Glu	Ile	Ile		Ile	Thr	Ser	Leu		Gly	Gly	Gly	Leu
297 545 550 555 560			Ile	Leu	Ile	Ile		Thr	Val	Ala	Tyr	_	Leu	Lys	Lys	Pro	Asn
	297	545					550					555					560

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/21/2003 PATENT APPLICATION: US/10/006,265 TIME: 16:12:39

Input Set : A:\06501-096001.txt

Output Set: N:\CRF4\01212003\J006265.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 7,8,9
Seq#:22; Xaa Pos. 3
Seq#:26; Xaa Pos. 3,4,5,6,7,8
Seq#:27; Xaa Pos. 3,4,5,6,7,8
Seq#:28; Xaa Pos. 3,4,5,6,7,8
Seq#:34; N Pos. 281,376,420
Seq#:34; Xaa Pos. 24,56
Seq#:35; Xaa Pos. 24,56



DATE: 01/21/2003

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/006,265 TIME: 16:12:39

Input Set : A:\06501-096001.txt

Output Set: N:\CRF4\01212003\J006265.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:890 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:894 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21 L:895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0 L:905 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! $L:909 \ M:258 \ W:$ Mandatory Feature missing, <220> Tag not found for SEQ ID#:22 L:910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0 L:957 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:961 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26 L:962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0 L:973 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:977 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27 L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0 L:989 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order! L:993 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28 L:994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0 L:1070 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34 L:1078 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:234 L:1079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:282 L:1086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:330 L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:378 L:1090 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:378 L:1109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:16 L:1113 M:341 W: (46) "n" or "Xaa" used, for SEO ID#:35 after pos.:48